



REPLACEMENT DRAWINGS
Serial No. 09/502,810
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Inventor(s): Brecher

1/14

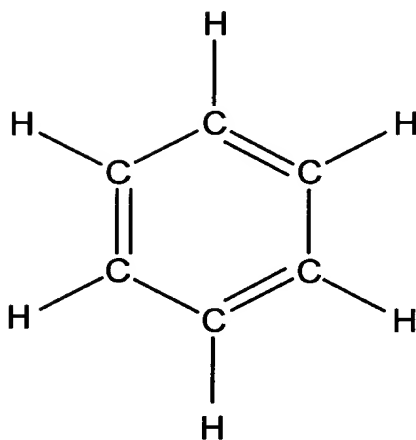


FIG. 1
PRIOR ART

2/14

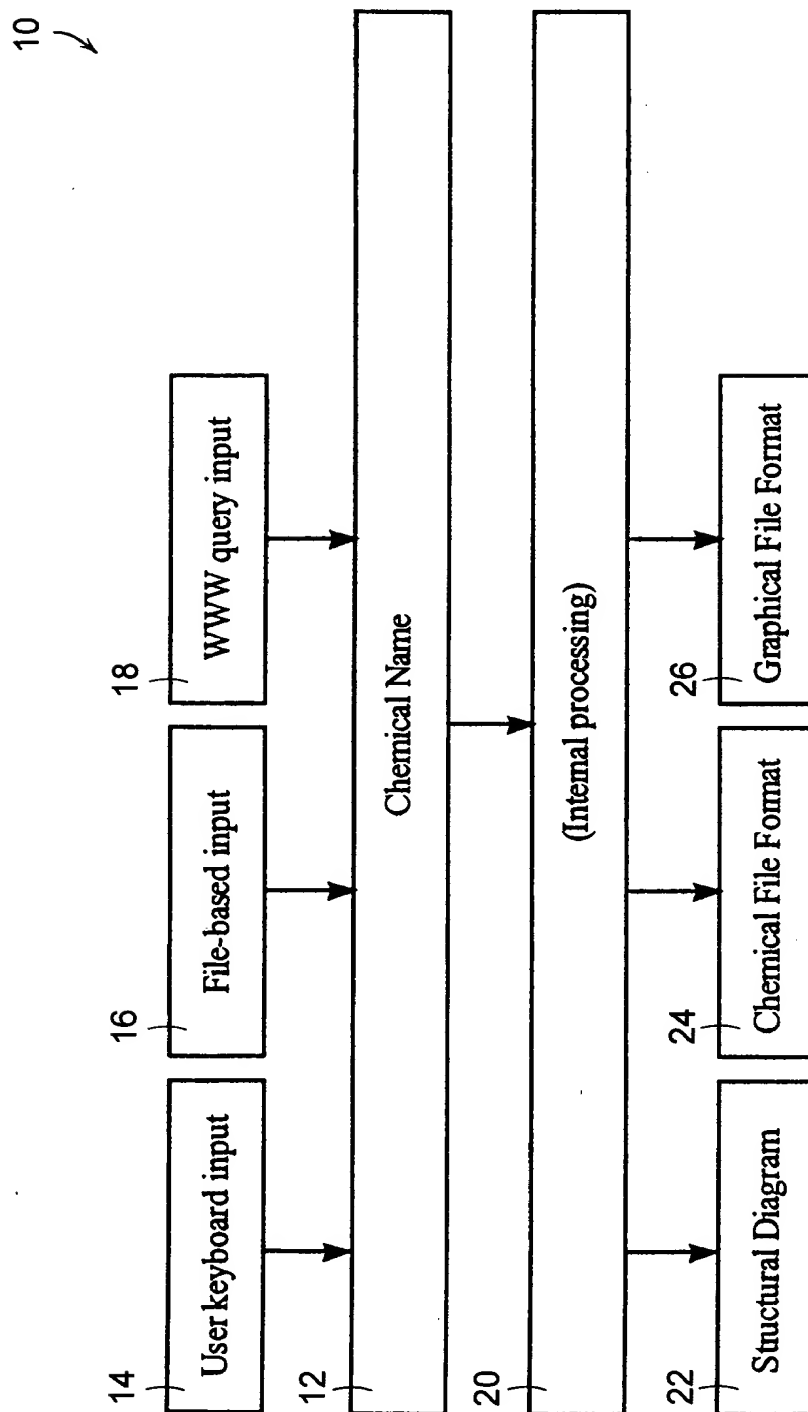
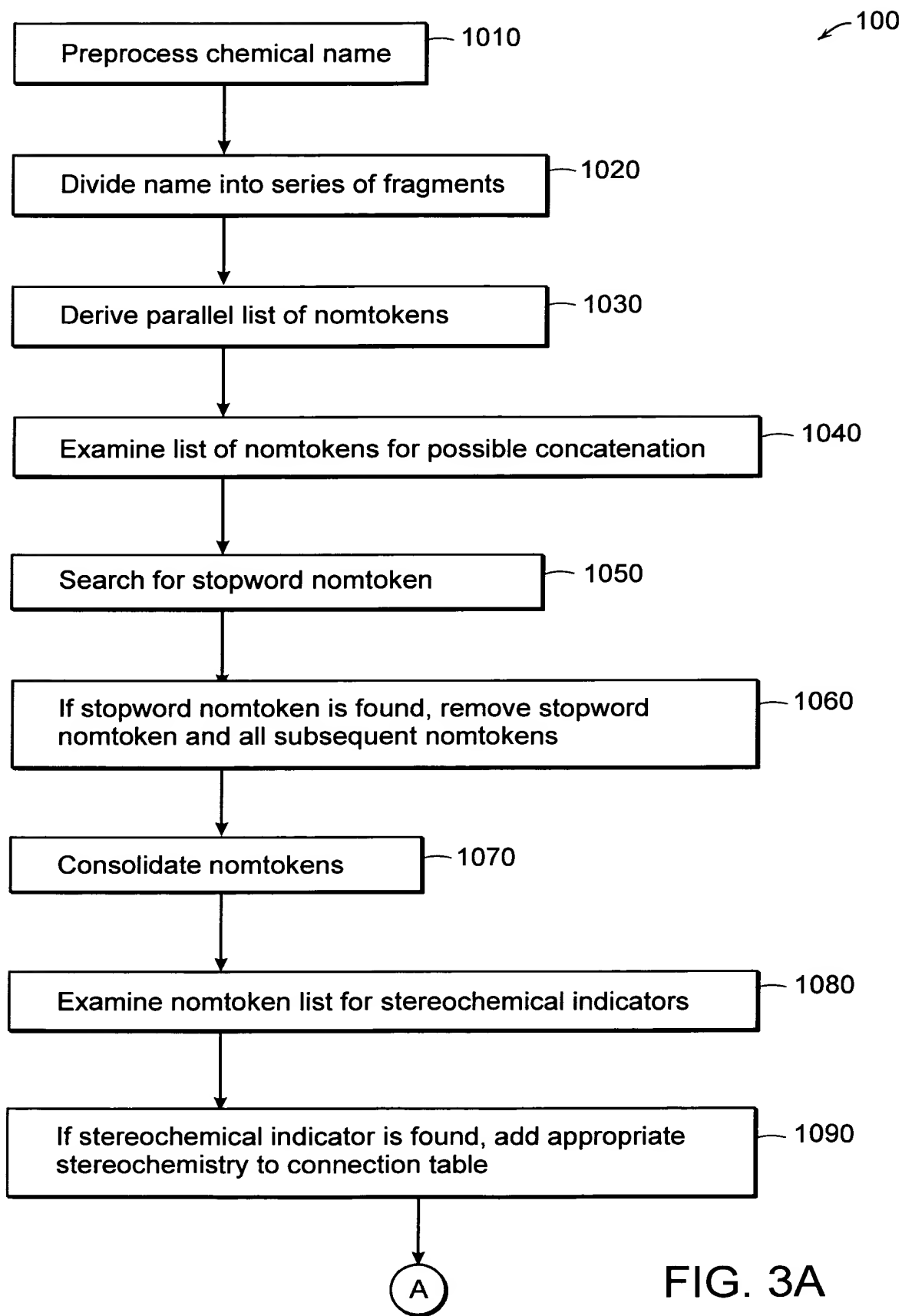


FIG. 2

3/14



4/14

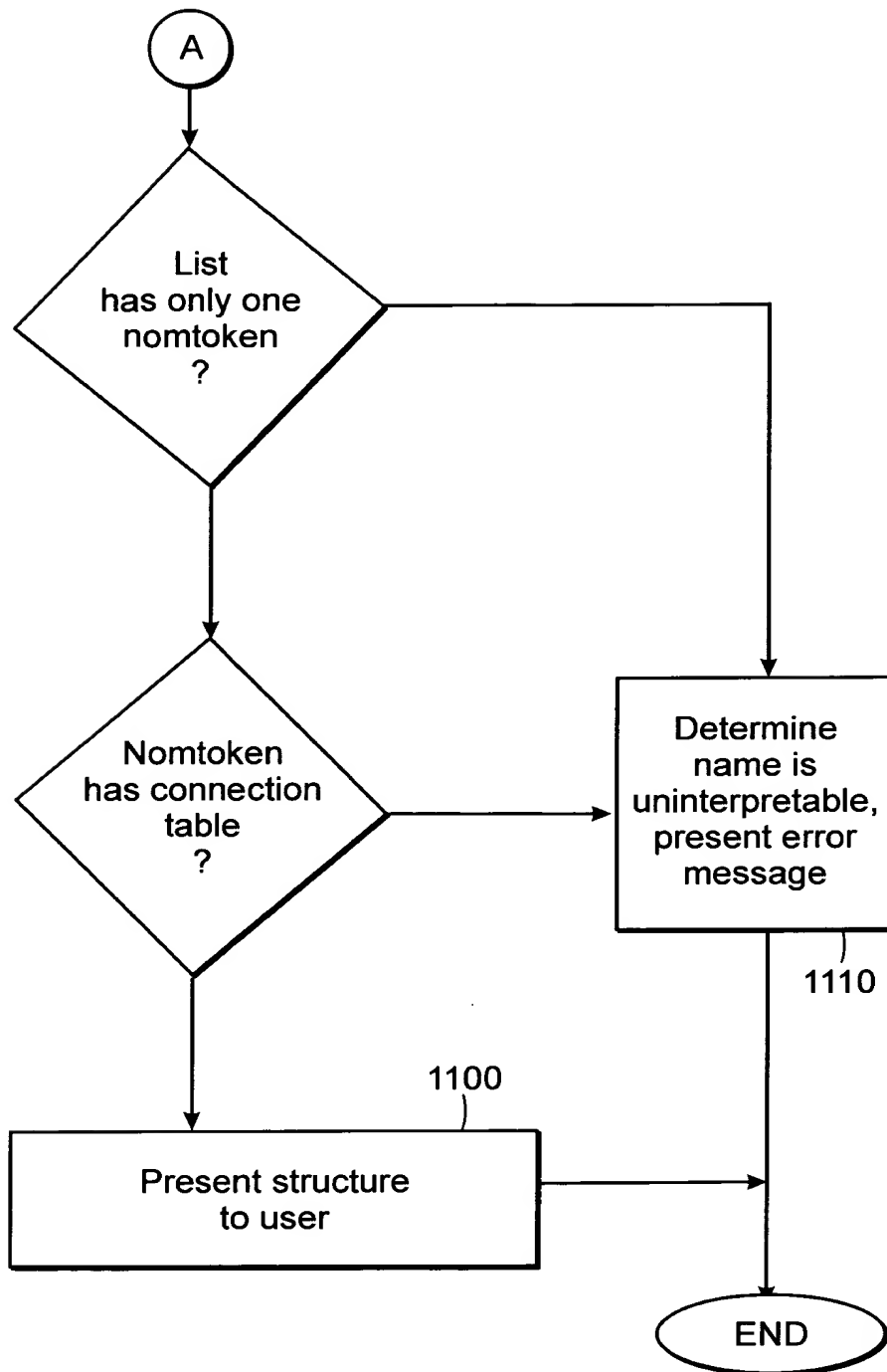


FIG. 3B

5/14

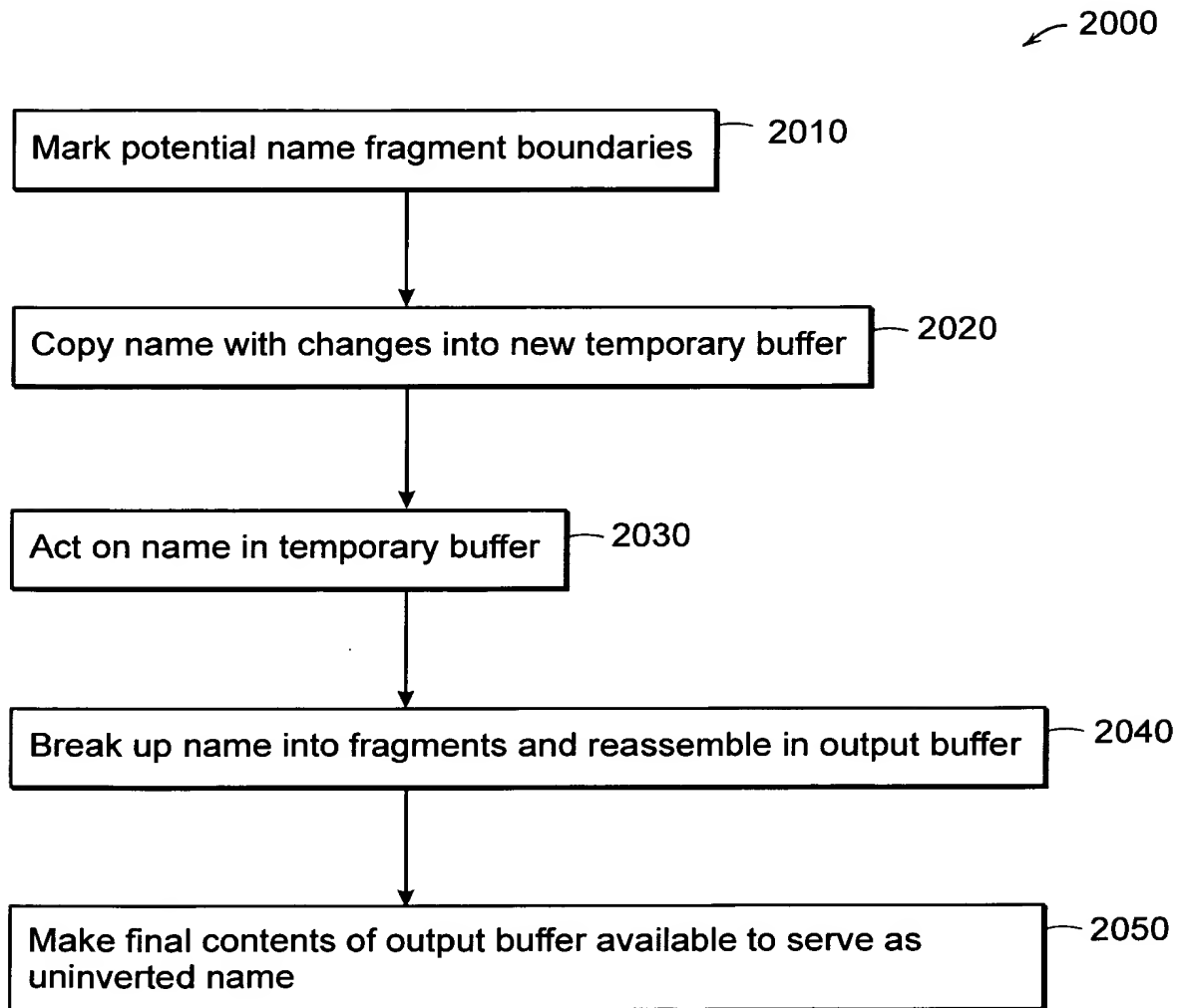


FIG. 4

6/14

Table 1: Strings that cannot terminate fragments to be
prepending

| |
|-------|
| "dry" |
| "ed" |
| "ide" |
| "ing" |
| "mm" |
| "one" |
| "rod" |

FIG. 5A

Table 2: Strings that cannot initiate fragments to be
prepending (note that some strings include a space character)

| |
|--------|
| "in " |
| "ion" |
| "low " |

FIG. 5B

8/14

Table 3: Strings that cannot appear anywhere in fragments to be prepended (note that some strings include one or more space characters)

| | | |
|-------------|-----------------|-------------|
| " and " | "grade" | "radical" |
| " in " | "granul" | "random" |
| " ion" | "grease" | "reagent" |
| "&" | "grit" | "reduc" |
| "/" | "hbr" | "regular" |
| "7ci" | "hcl" | "remainder" |
| "8ci" | "heavy" | "ribbon" |
| "9ci" | "hydrin" | "rods" |
| "10ci" | "hydrous" | "salt" |
| "aas" | "ide " | "scale" |
| "absolute" | "imine" | "shot" |
| "acid" | "ing" | "slug" |
| "acs" | "inhibit" | "soluble" |
| "aerosol" | "isotop" | "solution" |
| "amidine" | "ite" | "sphere" |
| "analy" | "ize" | "spong" |
| "approx" | "lactam" | "stab" |
| "assay" | "lacton" | "stabil" |
| "ate" | "light" | "standard" |
| "balance" | "lump" | "stick" |
| "basic" | "mainly" | "sublim" |
| "basis" | "medium" | "sultan" |
| "bead" | "mesh" | "sulton" |
| "briquette" | "micron" | "synthetic" |
| "catal" | "ml" | "syrup" |
| "certif" | "mm " | "tablet" |
| "chip" | "moist" | "tech" |
| "chunk" | "morphous" | "tion" |
| "cm" | "mossy" | "titrant" |
| "coarse" | "natural" | "tone" |
| "contain" | "needle" | "typic" |
| "crucible" | "neutral" | "usp" |
| "cryst" | "nitrile" | "wire" |
| "deriv" | "pearl" | "with" |
| "dispers" | "pellet" | "xime" |
| "dry " | "piece" | "zone" |
| "dust" | "plate" | |
| "ed " | "poly" | |
| "electro" | "porous" | |
| "ester" | "powder" | |
| "ether" | "ppm" | |
| "fcc" | "pract" | |
| "fine" | "predomina" | |
| "flake" | "predominantly" | |
| "foil" | "protected" | |
| "for " | "puratronic" | |
| "from" | "pure" | |
| "glacial" | "purity" | |
| | "purum" | |

FIG. 5C

9/14

Table 4.

ether
sulfide
disulfide
trisulfide
tetrasulfide
pentasulfide
hexasulfide
selenide
diselenide
triselenide
telluride
sulfone
disulfone
trisulfone
sulfoxide
disulfoxide
trisulfoxide
peroxide
ketone
diketone
triketone
tetraketone

FIG. 5D

10/14

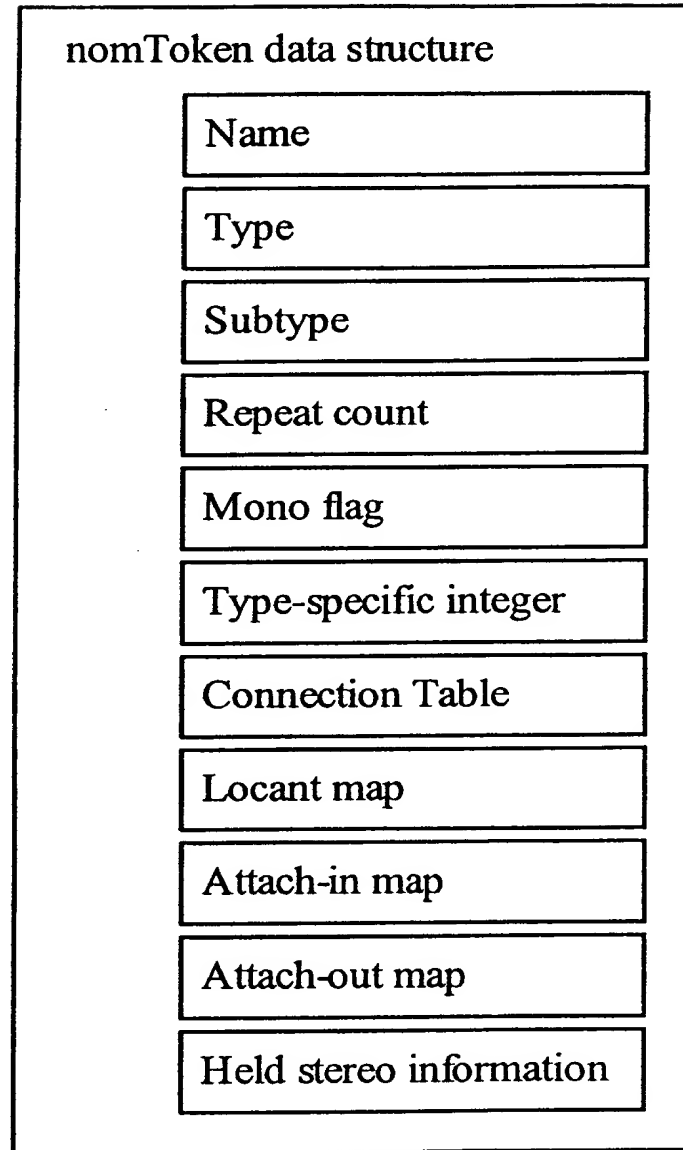


FIG .6

11/14

CONNECTION
TABLE

| | | | | | | |
|-----------|---------|---------|----------------|--------|----------------|------------|
| NAME | P | naphth | oxy | phenac | yl | bromide |
| TYPE | unknown | opfuser | infix | root | enderaminoacid | counterion |
| SUBTYPE | unknown | unknown | doublebondable | root | yl | ionable |
| PREV CHAR | '(' | 'a' | 'a' | 'a' | 'a' | ' |

FIG. 7A

CONNECTION
TABLE

| | | | | | | |
|-----------|---------|---------|----------------|--------|--------|------------|
| NAME | P | naphth | oxy | phenac | yl | bromide |
| TYPE | unknown | opfuser | infix | root | suffix | counterion |
| SUBTYPE | unknown | unknown | doublebondable | root | yl | ionable |
| PREV CHAR | '(' | 'a' | 'a' | 'a' | 'a' | ' |

FIG. 7B

12/14



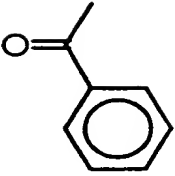

| CONNECTION TABLE | | | |
|---------------------|---|---|---|
| |  |  |  |
| NAME | p | oxy | phenac |
| TYPE | unknown | naphth root | yl suffix |
| SUBTYPE | unknown | doublebondable | yl |
| PREV CHAR | '(' | 'a' | 'a' |
| | | | ionable |
| | | | ' ' |
| | | | bromide counterion |
| | | | Br-  |

FIG. 7C

13/14

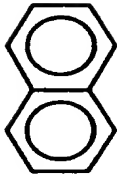

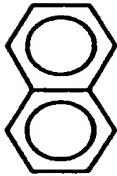

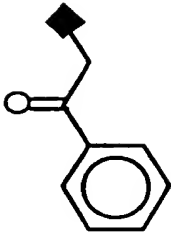

| CONNECTION TABLE | | | |
|--------------------------------------|----------------------------------|---|---|
| NAME TYPE SUBTYPE PREV CHAR | p unknown unknown '(' |  |  |
| | | | |
| | | | |
| | | | |
| NAME TYPE SUBTYPE PREV CHAR | naphth root unknown 'a' |  |  |
| | | | |
| | | | |
| | | | |
| NAME TYPE SUBTYPE PREV CHAR | phenacyl root root 'a' |  |  |
| | | | |
| | | | |
| | | | |

FIG. 7D

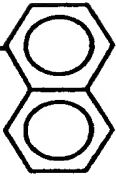
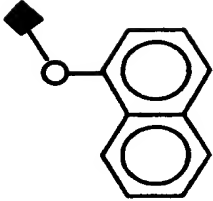
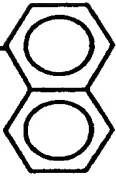
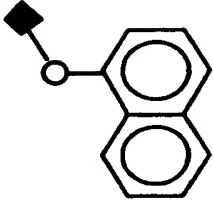
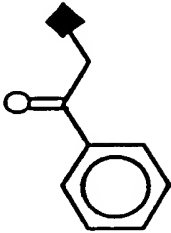

| CONNECTION TABLE | | | |
|--------------------------------------|-----------------------------------|--|--|
| NAME TYPE SUBTYPE PREV CHAR | p unknown unknown '(' |  |  |
| | | | |
| | | | |
| | | | |
| NAME TYPE SUBTYPE PREV CHAR | naphthoxy root infix 'a' |  |  |
| | | | |
| | | | |
| | | | |
| NAME TYPE SUBTYPE PREV CHAR | phenacyl root root 'a' |  |  |
| | | | |
| | | | |
| | | | |

FIG. 7E

14/14

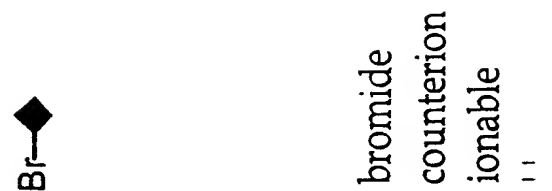


FIG. 7F

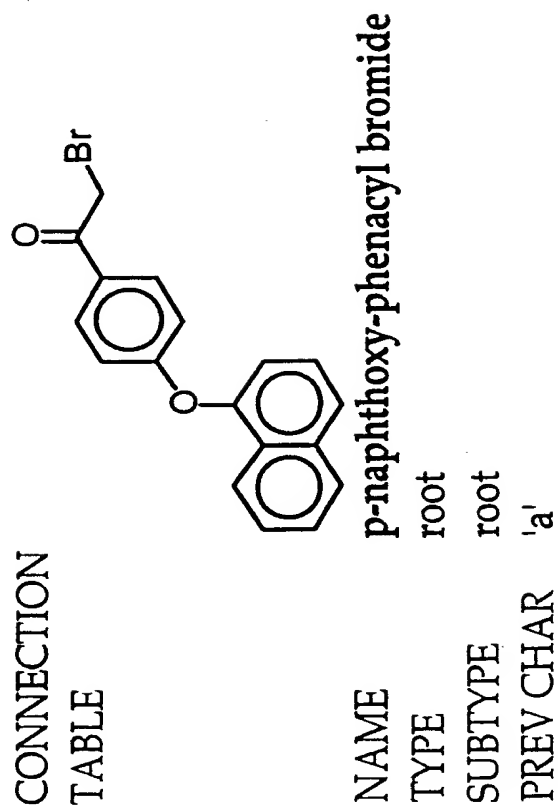
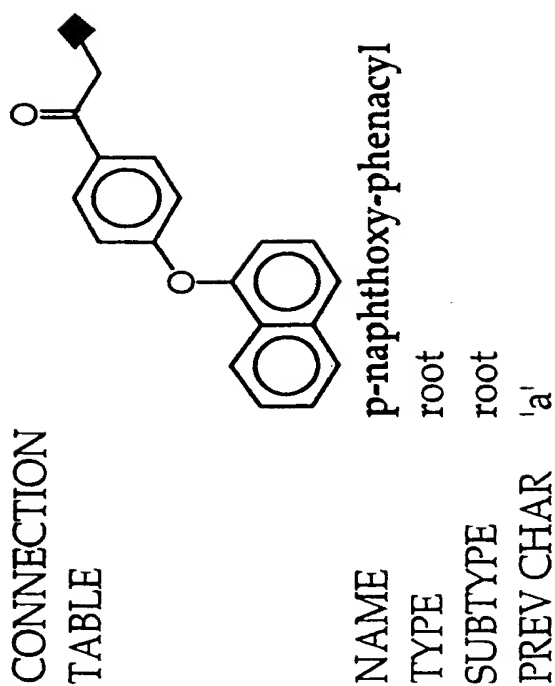


FIG. 7G